

WHAT IS CLAIMED IS:

1. A spindle motor for supporting a rotor by a pair of ball bearings, wherein said pair of ball bearings is open ball bearings of which both sides are open.

2. A spindle motor according to claim 1, wherein said pair of open ball bearings is disposed in such a manner that extending parts formed in one side of outer rings or inner rings abut each other.

3. A spindle motor according to claim 1 or 2, wherein said pair of open ball bearings is disposed in a shaft rotatable spindle motor in which said inner rings rotate together with said rotor.

4. A spindle motor according to any one of claims 1 to 3, wherein said pair of open ball bearings is disposed in a shaft fixed spindle motor in which said outer rings rotate together with said rotor.

5. A method of manufacturing a spindle motor for supporting a rotor by a pair of ball bearings, said ball bearing being open ball bearings both sides of which are opened, said method comprising:

a bearing washing process of cleaning said open ball bearings;

a grease filling process of filling grease in said open ball bearings cleaned in said bearing washing process; and

a bearing mounting process of mounting said open ball bearings filled with the grease in said grease filling process on said spindle motor;

these processes being sequentially performed upon assembly process of said spindle motor.